



Govt. of India
Ministry of New & Renewable Energy
Solar Energy Centre
P.O. & Village Gwalpahari, Distt. Gurgaon
Haryana, India

2013-2014

TEST REPORT ON BATTERY

Sample ID No. 25/13/BT.

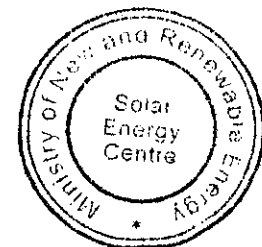
**Manufactured by : M/s Luminous Power Technologies Pvt. Ltd., C-8&C-9,
 Community Centre, Janakpuri, New Delhi-110058.**

**Submitted by : M/s Luminous Power Technologies Pvt. Ltd., C-8&C-9,
 Community Centre, Janakpuri, New Delhi-110058.**

This is a report on measurements of **Capacity rating and Charge efficiency** carried out on the battery (sample no. 25/13/BT) submitted at Solar Energy Centre as per **IS 13369:1992** standards. The data reported in this TEST REPORT are valid at the time of and under the stipulated conditions of measurement and the test results are applicable to this battery only and do not apply to other batteries even though declared to be identical. The data contents in this report do not constitute a qualification test certificate. SEC does not accept any liability for any consequences including commercial or otherwise arising out of the utilization of the information contained in this report.

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Jaiish Seljal



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TEST REPORT OF LEAD ACID BATTERY

Sample ID No. 25/13/BT.

Manufactured by : M/s Luminous Power Technologies Pvt. Ltd., C-8&C-9,
Community Centre, Janakpuri, New Delhi-110058

Submitted by : M/s Luminous Power Technologies Pvt. Ltd., C-8&C-9,
Community Centre, Janakpuri, New Delhi-110058

S.No	Test Description	Manufacture's Claim	Observations	Remarks
1	(i) Brand (ii) Type (iii) S.No. (iv) Year (v) <u>Rating</u> (a) Voltage (b) Capacity at C10 discharge rate (vi) Dimension (mm) (vii) Weight before testing (kg)	LUMINOUS Lead Acid (LPT12100H) EAD3045038 2013 12V 100Ah 517X272X250 47.5Kg	LUMINOUS Lead Acid (LPT12100H) EAD3045038 2013 12V 106.2Ah 510X220X272 42.44Kg	cut off voltage 11.1V
2	Charging Efficiency: (A) Capacity on discharging at (C 10) constant current continuously up to cut off voltage. (B) Capacity after recharging the battery by 106.8Ah and then again discharging up to cut off voltage. (C) Charging efficiency Ah and Wh.		106.8Ah 96.92Ah 90.74% and 88.38%.	Average discharging voltage= 12.120V Average charging voltage= 13.469V

Prepared by: *Jasjit Singh*

Date : 26/7/13

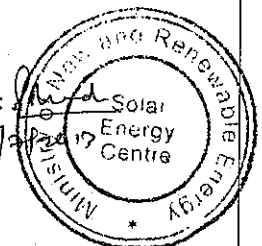
Approved by: *Mahmood*

Date:

26-7-13.

Issued by: *[Signature]*

Date: 30/7/13



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